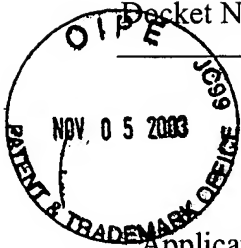


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INFORMATION DISCLOSURE STATEMENT

Applicant : Scherf et al.
App. No. : 10/087,013
Filed : February 21, 2002
For : IDENTIFICATION OF THE DOMAIN OF
PLASMODIUM FALCIPARUM ERYTHROCYTE
MEMBRANE PROTEIN 1 (PFEMP1) THAT
MEDIATES ADHESION TO CHONDROITIN
SULFATE A
Examiner : Lucas, Zachariah
Group Art Unit : 1648

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing references that are also enclosed.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(c)(2) before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

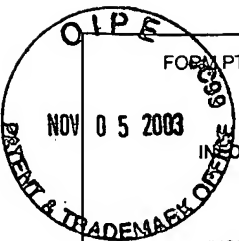
Dated: 11/3/03By: 

Nancy W. Vensko
Registration No. 36,298
Attorney of Record
Customer No. 20,995
(805) 547-5585

11/06/2003 CNGUYEN 00000063 10087013

03 FC:1806

180.00 OP



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
NIH176.001C1APPLICATION NO.
10/087,013INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Scherf et al.FILING DATE
February 21, 2002GROUP
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	1	Buffet et al., Plasmodium falciparum domain mediating adhesion to chondroitin sulfate A: A receptor for human placental infection, PNAS 96: 12743 (Oct 1999)
	2	Scherf, A., FCR3 CSA ligand [Plasmodium falciparum], GenBank accession no. AJ133811 (23 Apr 1999)
	3	Costa et al., Immunization with recombinant duffy-binding-like γ 3 induces pan-reactive and adhesion-blocking antibodies against placental chondroitin sulfate A-binding plasmodium falciparum parasites, JID 188: 153 (2003)
	4	Gamain et al., Identification of a 67-amino acid region of the plasmodium falciparum variant surface antigen that binds chondroitin sulfate A and elicits antibodies reactive with the surface of placental isolates, in press

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EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	